

WISI Worldwide

SUPER BROADBAND in OPTICAL TRANSMISSION



... a link to the future

Use the full capacity of your fiber



One fiber only for SAT and CATV!



Release hundreds of programs at any location



- LR 60
- Compact and modular design
- Individual SAT+CATV outputs
- Microprocessor controlled
- Integrated splice box
- HMS monitoring interface

LT 61

HIGHLIGHTS

- Super broadband laser transmitter
- Compatible with WISI TOPLINE HEADEND
- Remote control with OV 52
- DFB high performance laser
- Suitable for digital and analog signals

Technical data LT 61

| | | |
|--|-------------------------------------|--|
| Input 1 (F type) | 45 - 862 MHz | 88 dBμV |
| Input 2 (F type) | 950-2200 MHz | 78 dBμV |
| Wavelength | 1310 ± 20 nm | |
| Optical output power | 4 dBm | |
| Optical connector | E 2000 | |
| C/N 42 ch CENELEC with 8 dB optical budget | ≥ 48 dB single band receiver (LR20) | ≥ 45 dB super broadband receiver (LR 60) |
| CTB / CSO 42 ch CENELEC | ≥ 60 dB | |
| Temperature range | -10 ... + 50°C | |

Accessories

| | | |
|---------------------------|-------|-------------|
| LK 05-12 Optical couplers | LP 05 | Patch panel |
| LP 01 Pigtail | LP 02 | Patch cord |

Technical data LR 60

| | | |
|------------------------|---|--|
| Wavelength | 1290-1600 nm | |
| Transmission bandwidth | 45-862, 950- 2200 MHz | |
| Optical input power | +3 ... -5 dB (constant output level via ALC) | |
| Output 1 | 45-862 MHz, 85 dBμV @ 862 MHz (4 dB slope) | |
| Output 2 | 950 - 2200 MHz, 85 dBμV @ 2200 MHz (4 dB slope) | |
| CTB / CSO | ≥ 68 / ≥ 65 dB | |
| Operational voltage | 230 VAC / 6.5 W (7.5 W with return laser) | |

Accessories

Features OK 41 Handset

- Numerical settings of all parameters
- Input level meter
- Preconfiguration
- Alarm settings



Features LT 19/20/21

Return path transmitter* module

- FP and DFB
- 1310 and 1550 nm
- Adjustable OMI
- Ingress control switch
- Ingress filter

* Second fiber required (return fiber)

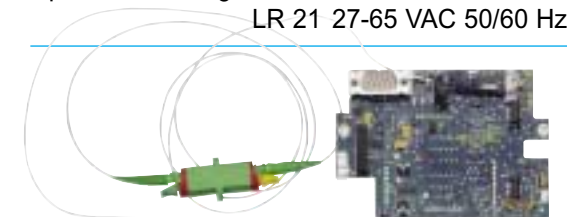
Technical data

Return path module LT 21 CWDM 1510/1530/1570

NMS functions with optional HMS transponder VT 21

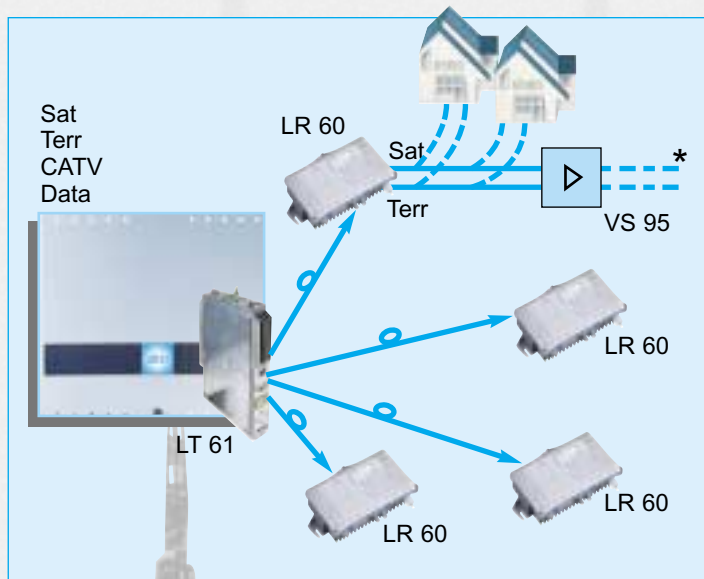
- Temperature
- Optical input level
- RF output
- OMI
- Alarms

Operational voltage LR 20 230 VAC ± 10% 50/60 Hz
LR 21 27-65 VAC 50/60 Hz



TYPICAL APPLICATIONS

Super broadband distribution



* Related products

- VS 93 A** ▶ Super broadband amplifier single cable
 - VS 94** ▶ Insertion amplifier Sat+Terr for twin cables
 - VS 95** ▶ Twin cable trunk amplifier
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- DM 2...** ▶ 1-way super broadband taps
 - DM 3...** ▶ 2-way super broadband taps
 - DM 12/14/16** ▶ 2/4/6-way super broadband splitters
-
- DB 33 / DB 03** ▶ Double output wall sockets
 - DO 53** ▶ Triple output wall socket

Super broadband distribution is a simple method to offer an enticing combination of basic package CATV and direct analog / digital SAT TV programs to subscribers in a large housing complex.

It offers subscribers the comfort of a full choice of programs without the necessity of a large headend station. The operator / landlord does not need to engage in a contract with the program provider. Each subscriber is free to choose his own set top equipment and to subscribe directly to the offered digital packages with the program provider.

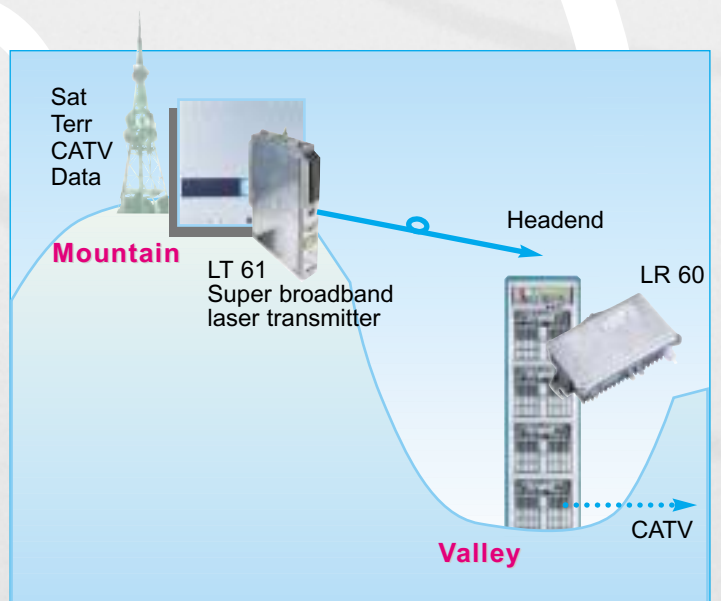
The system offers ease of installation combined with a very high reliability.

It is completely transparent for FTA and Pay TV packages.

Remote antenna location

In some cases antennas cannot be placed at the desired location near the headend.

WISI LT61 helps to cover even large distances without the risk of signal degradation. The link can be monitored if necessary.



WILHELM SIHN JR. GmbH & Co. KG
Empfangs- und Verteiltechnik

P.O. Box 1220, D-75219 Niefern-Oeschelbronn, Germany
Phone +49 72 33/66-280, Telefax +49 72 33/66-350,
www.wisi.de

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